IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Appln. Of: FERRAND et al.

Serial No.: 09/582,256

Filed: June 22, 2000

For: PASSIVE Q-SWITCHED MICROLASER WITH CONTROLLED...

Group: 2828

Examiner: GIOACCHINO INZIRILLO DOCKET: Brev 12923

Assistant Commissioner of Patents & Trademarks
Washington, D.C. 20231

AMENDMENT A

Dear Sir:

This Amendment is being filed in response to the Official Action mailed April 9, 2002.

Please amend the Application as follows:

IN THE CLAIMS:

Please amend claims 17-32 to read as follows:

17. (Amended) A laser cavity comprising:

a substrate made of a doped or undoped active laser material $Y_3A1_5O_{12}$ (YAG) on which a monocrystalline layer of saturable absorbent material made of doped YAG is deposited directly by liquid phase epitaxy, in which said active laser material has a [100] orientation, and said monocrystalline layer of saturable absorbent material is deposited with the same [100] orientation;

wherein said doped or undoped active laser material YAG, said monocrystalline layer of saturable absorbent material made of doped YAG deposited directly on said active laser material by liquid phase epitaxy, and the specific [100] orientation of both said active laser material and the said monocrystalline layer achieves controlled polarization of the laser cavity.

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